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<b>(21) International Application Number:</b> PCT/US98/11347 <b>(22) International Filing Date:</b> 3 June 1998 (03.06.98)  <b>(30) Priority Data:</b> 60/048,452                      3 June 1997 (03.06.97)                      US  <b>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application</b> US    60/048,452 (CIP) Filed on    3 June 1997 (03.06.97)  <b>(71) Applicant (for all designated States except US):</b> GANEDEN BIOTECH, INC. [US/US]; 8738-6 Villa La Jolla Drive, La Jolla, CA 92037 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> FARMER, Sean [US/US]; 8738-6 Villa La Jolla Drive, La Jolla, CA 92037 (US). MIKHAIL, Robert, J. [US/US]; 1493-B E. Lexington Avenue, El Cajon, CA 92019 (US).  <b>(74) Agent:</b> FITTING, Thomas; Suite 300, 12526 High Bluff Drive, San Diego, CA 92130 (US).		<b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
<b>(54) Title:</b> PROBIOTIC LACTIC ACID BACTERIUM TO TREAT BACTERIAL INFECTIONS ASSOCIATED WITH SIDS  <b>(57) Abstract</b> <p>Compositions including a non-pathogenic lactic acid-producing bacteria, such as a <i>Bacillus</i> species, spores or an extracellular product of <i>B. coagulans</i>, formulated for oral administration to the intestinal tract for inhibiting bacterial gastrointestinal infections are described. Methods and systems using the compositions for treating gastrointestinal infections, particularly sudden infant death syndrome (SIDS) are also disclosed.</p>		